

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of	)	Docket No.: P-340.3 Burrows
Ulrichsen et al	)	Group Art Unit: 3653
	)	
Serial No.: 09/541,718	)	Examiner: T. Nguyen
	)	
Filed: April 3, 2000	)	
	)	
For: DETERMINATION OF	)	
CHARACTERISTICS OF MATERIAL	)	

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

"EXPRESS MAIL" Mailing Label No. EL686018081US Date of Deposit April 5, 2001 I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, BOX PCT, Washington, D. C. 20231.

*Patricia Priebe*  
Patricia Priebe

Assistant Commissioner For Patents  
Washington, DC 20231

**AMENDMENT AND RESPONSE**

Sir:

The following amendment and remarks are being filed in response to the outstanding Office Action dated November 8, 2000, Paper #3, and it is respectfully submitted that this submission complies with the requirements of 37 C. F. R. § 1.111.

**IN THE ABSTRACT:**

Please add the following abstract.

**ABSTRACT OF THE DISCLOSURE**

A system for automatically inspecting matter for varying composition comprises one or more detection stations through which one or more streams of matter are advanced and particular materials therein are detected through their diffusely reflected IR spectra, if any, and/or through their variation of an electromagnetic field by their metallic portions, if any. A row of light sources distributed across the overall width of one or more belt conveyors may cause desired